

ABSTRACT OF THE DISCLOSURE

Systems and methods for web store events. A web store event occurs whenever an item is accessed. When an item is accessed, both synchronous and asynchronous events can fire. If a synchronous event fires, then an event object that has registered for the synchronous event is called and executed before the transaction involving the item is allowed to complete. The synchronous event also has the ability to either commit or abort the transaction. Importantly, the synchronous event has complete control over the item. An asynchronous event is called and executed after the transaction involving the item is already committed to the store and after any synchronous events have executed. Because more than one event object can register for a web store event, synchronous event objects are called according to their priority. Synchronous events fire before asynchronous events and synchronous event objects execute before asynchronous event objects.

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